

SLOVENSKI STANDARD

DSIST ETS 300 758-3:00 --

01-bcj Ya VYr-00 --

8][]HUbY]nVc`ýUbY'VfYnj f j] bYHYY_ca i b]_UWYYfB 97 HŁ!8][]HUbca fYyYn
]bhM[f]fUb]a]'glcf]hj Ua]'fkg8 BŁ! J nUYa bc 'XYcj UbYY897 HAG8 B'j 'cV]_]_cb bY[U
g]ghYa U!'DfcZ'_dfYg_i ýYj UbYgdYwZ_UWYYfDHGŁ!'" "XY.'DfcZ'_dfYg_i ýYj UbY
gdYwZ_UWYYzczXj]gbYcX'dfcZ'UfDGHGłznUZ_gbc fUX]g_c 'nU_1]hYj 'f HŁ

Digital Enhanced Cordless Telecommunications (DECT); Integrated Services Digital Network (ISDN); DECT/ISDN interworking for end system configuration; Profile Test Specification (PTS); Part 3: Profile Specific Test Specification (PSTS) for Fixed radio Termination (FT)

Ta slovenski standard je istoveten z: ETS 300 758-3 E1.0 - +\$()

ICS:

33.070.30	Öð ãæ} ^ Á à[bzæ} ^ à ^: c'çã } ^ A ^ ^ [{ ^ } à a&@ CÖÖVD	Digital Enhanced Cordless Telecommunications (DECT)
33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)

DSIST ETS 300 758-3:00 --

en



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 758-3

April 1997

Source: ETSI EP-DECT

Reference: DE/DECT-040018-3

ICS: 33.020

Key words: DECT, ISDN, interworking, PTS, radio, testing, TTCN

**Digital Enhanced Cordless Telecommunications (DECT);
 Integrated Services Digital Network (ISDN);
 DECT/ISDN interworking for end system configuration;
 Profile Test Specification (PTS);
 Part 3: Profile Specific Test Specification (PSTS)
 for Fixed radio Termination (FT)**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 4 92 94 42 00 - Fax: +33 4 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1997. All rights reserved.

Contents

Foreword	7
1 Scope	9
2 Normative references.....	9
3 Definitions and abbreviations	12
3.1 Definitions	12
3.2 Abbreviations	12
4 DECT NWK layer protocol	14
4.1 Additional test purposes.....	14
4.2 Abstract test method.....	14
4.3 Relevant test cases.....	15
4.4 Modified test cases	17
5 DECT DLC layer protocol.....	18
5.1 Additional test purposes.....	18
5.2 Abstract test method.....	20
5.3 Relevant test cases.....	20
5.4 Additional test cases	20
6 DECT MAC layer protocol	21
6.1 Additional test purposes.....	21
6.2 Abstract test method.....	22
6.3 Relevant test cases.....	22
6.4 Additional Test Cases.....	24
7 DECT Physical Layer (PHL) protocol	24
7.1 Additional Test Purposes	24
7.2 Abstract test method.....	24
7.3 Relevant test cases.....	24
8 ISDN protocols	25
8.1 Applicability of ATS	25
8.2 ISDN primary access protocols	25
8.2.1 Additional test purposes	25
8.2.2 Abstract test method	25
8.2.3 Relevant test cases	25
8.2.4 Additional selection expression	25
8.3 ISDN basic access protocols.....	26
8.3.1 Additional test purposes	26
8.3.2 Abstract test method	26
8.3.3 Relevant test cases	26
8.3.4 Additional selection expression	26
9 DECT GAP profile	26
9.1 Additional test purposes.....	26
9.2 Abstract test method.....	26
9.3 Relevant test cases.....	26
10 DECT/ISDN IAP profile	27
10.1 Profile test suite structure	27
10.1.1 Test groups	27
10.1.1.1 Protocol groups.....	28
10.1.1.1.1 The IWU procedures	28

	10.1.1.2	The IWU mappings	28
	10.1.1.3	The profile specific NWK procedures ..	28
	10.1.1.4	The profile specific DLC procedures....	28
10.1.1.2	Main test groups.....		28
	10.1.1.2.1	Capability (CA) tests.....	29
	10.1.1.2.2	Valid Behaviour (BV) tests	29
	10.1.1.2.3	Inopportune Behaviour (BO) tests.....	29
	10.1.1.2.4	Invalid Behaviour (BI) tests	29
10.2	Profile test purposes		29
10.2.1	TP definition conventions.....		29
10.2.2	TP naming conventions		30
10.2.3	Sources of TP definitions.....		30
10.2.4	Test purposes for call establishment procedures.....		31
10.2.5	Test purposes for call information procedures		32
10.2.6	Test purposes for call release procedures		33
10.2.7	Test purposes for supplementary service specific procedures		34
10.2.8	Test purposes for CISS functional protocol procedures		38
10.2.9	Test purposes for CRSS functional protocol procedures		39
10.2.10	Test purposes for CRSS keypad protocol procedures		45
10.2.11	Test purposes for IWU messages mapping		46
10.2.12	Test purposes for IWU management of call control protocol		48
10.2.13	Test purposes for segmented messages		48
10.3	Profile Abstract Test Method (ATM).....		48
10.4	Profile Untestable test purposes		49
10.5	Profile ATS Conventions		49
10.5.1	Declarations part naming conventions.....		50
10.5.1.1	Type and structured type definitions		50
10.5.1.2	Operations definitions		50
10.5.1.3	Parameter declarations		50
10.5.1.4	Selection expression definitions.....		50
10.5.1.5	Constant declarations		50
10.5.1.6	Test suite variable declarations		50
10.5.1.7	Test case variable declarations		51
10.5.1.8	PCO declarations		51
10.5.1.9	Timer declarations		51
10.5.1.10	ASP type definitions		51
10.5.1.11	PDU type definitions.....		51
10.5.1.12	Alias definitions		52
10.5.2	Constraints part naming conventions		52
10.5.3	Dynamic part naming conventions.....		52
10.5.3.1	Test Case identifier		52
10.5.3.2	Test step identifier.....		53
10.5.3.3	Default identifier		53
10.5.3.4	General aspects		53
10.5.3.5	ATS abbreviations.....		53
10.5.4	Declaration part implementation conventions.....		53
10.5.5	Constraint part implementation conventions		54
10.5.6	Dynamic part implementation conventions		54
10.5.7	Documentation implementation conventions		55
10.6	Test case and test purpose mapping		55
Annex A (normative):	Profile Implementation eXtra Information for Testing (IXIT) proforma for DECT/ISDN IAP profile - Fixed radio Termination (FT).....		56
A.1	Identification summary.....		56
A.2	ATS summary		56
A.3	Test laboratory		56
A.4	Client identification.....		57
A.5	System Under Test (SUT)		57

A.6	Profile information	58
Annex B (normative): Profile Conformance Test Report (Profile CTR) proforma for DECT/ISDN IAP profile - Fixed radio Termination (FT).....		60
B.1	Identification summary	60
B.1.1	Protocol conformance test report.....	60
B.1.2	IUT identification	60
B.1.3	Testing environment	61
B.1.4	Limits and reservation.....	61
B.1.5	Comments	61
B.2	IUT conformance status	61
B.3	Static conformance summary.....	62
B.4	Dynamic conformance summary.....	62
B.5	Static conformance review report.....	62
B.6	Test campaign report	63
B.7	Observations	64
Annex C (normative): System Conformance Test Report proforma (SCTR) for DECT/ISDN IAP profile - Fixed radio Termination (FT).....		65
C.1	Identification summary	65
C.1.1	System conformance test report.....	65
C.1.2	Test laboratory	65
C.1.3	Client identification.....	66
C.1.4	SUT	66
C.1.5	Profile identification	66
C.1.6	Nature of conformance testing.....	67
C.1.7	Limits and reservations.....	67
C.1.8	Record of agreement	67
C.1.9	Comments	68
C.2	System report summary for DECT/ISDN IAP FT	68
C.2.1	Profile testing summary for DECT NWK layer protocol	68
C.2.2	Profile testing summary for DECT DLC layer protocol	69
C.2.3	Profile testing summary for DECT MAC layer protocol.....	70
C.2.4	Profile testing summary for DECT PHL protocol	71
C.2.5	Profile testing summary for ISDN L3, L2, L1 primary access protocol	72
C.2.6	Profile testing summary for ISDN L3, L2, L1 basic access protocol.....	73
C.2.7	Profile testing summary for DECT GAP profile.....	74
C.2.8	Profile testing summary for DECT/ISDN IAP profile	75
Annex D (normative): Profile eXtra Requirement List (XRL) proforma for DECT/ISDN IAP profile - Fixed radio Termination (FT).....		76
D.1	ISDN primary access protocols	76
D.2	ISDN basic access protocols	76
Annex E (normative): Modifications of the PCTR proforma related to DECT/ISDN IAP profile - Fixed radio Termination (FT).....		77
E.1	Modifications of DECT NWK layer PCTR proforma.....	77
E.2	Modifications of DECT DLC layer PCTR proforma	80

E.3	Modifications of DECT MAC layer PCTR proforma.....	82
E.4	Observations.....	84
Annex F (normative):	Abstract Test Suite (ATS) for DECT NWK layer conforming to DECT/ISDN IAP profile - Fixed radio Termination (FT)	85
F.1	The machine processable ATS (TTCN.MP).....	85
F.2	The graphical ATS (TTCN.GR)	85
Annex G (normative):	Abstract Test Suite (ATS) for DECT DLC layer conforming to DECT/ISDN IAP profile - Fixed radio Termination (FT)	86
G.1	The machine processable ATS (TTCN.MP).....	86
G.2	The graphical ATS (TTCN.GR)	86
Annex H (normative):	Abstract Test Suite (ATS) for DECT MAC layer conforming to DECT/ISDN IAP profile - Fixed radio Termination (FT)	87
H.1	The machine processable ATS (TTCN.MP).....	87
H.2	The graphical ATS (TTCN.GR)	87
Annex I (normative):	Abstract Test Suite (ATS) - DECT/ISDN IAP - Fixed radio Termination (FT) ...	88
I.1	The machine processable ATS (TTCN.MP).....	88
I.2	The graphical ATS (TTCN.GR)	88
History		89